

Appl. No. : 10/014,162  
Filed : December 11, 2001

#### AMENDMENTS TO THE CLAIMS

Please cancel Claims 1-6 and 8-19 without prejudice, amend Claim 7, and add Claims 20-26 as follows:

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)

7. (Currently Amended) An isolated or purified peptide that is at least 70 percent identical to the peptide of SEQ ID NO: 1 as determined by FASTA or BLAST using default opening and gap penalties and a PAM scoring matrix and that has PTH2 or PTH1 receptor binding activity, wherein isolated is defined as separated from the remainder of the coexisting materials in the hypothalamus gland and purified is defined as permitting accurate amino acid sequence determination.

8. (Canceled)
9. (Canceled)
10. (Canceled)
11. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Canceled)
15. (Canceled)
16. (Canceled)
17. (Canceled)
18. (Canceled)
19. (Canceled)
20. (New) The isolated or purified peptide of Claim 7 that is recombinant.
21. (New) The isolated or purified peptide of Claim 7 that is synthetic.

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22. **(New)** The isolated or purified peptide of Claim 7 that is at least 80 percent identical to the peptide of SEQ ID NO: 1 as determined by FASTA or BLAST using default opening and gap penalties and a PAM scoring matrix.

23. **(New)** The isolated or purified peptide of Claim 7 that is at least 90 percent identical to the peptide of SEQ ID NO: 1 as determined by FASTA or BLAST using default opening and gap penalties and a PAM scoring matrix.

24. **(New)** The isolated or purified peptide of Claim 7 that is at least 95 percent identical to the peptide of SEQ ID NO: 1 as determined by FASTA or BLAST using default opening and gap penalties and a PAM scoring matrix.

25. **(New)** The isolated or purified peptide of Claim 7 that is at least 99 percent identical to the peptide of SEQ ID NO: 1 as determined by FASTA or BLAST using default opening and gap penalties and a PAM scoring matrix.

26. **(New)** The isolated or purified peptide of Claim 7 comprising the sequence of SEQ ID NO: 1.